

ABSTRACT

A method for reducing noise in a digital image includes providing a digital image comprising a plurality of channels with each of the channels comprising a set of pixel data signals and applying a filter to each of the sets of pixel data signals, where the filter applied to at least one of the sets of pixel data signals is different from the filter applied to another one of the sets of pixel data signals. An imaging system which reduce noise in a digital image includes an image sensor apparatus and a filter system. The image sensor apparatus captures a digital image comprising a plurality of channels with each of the channels comprising a set of pixel data signals. The filter system comprises at least two different filters with each of the filters filtering at least one of the sets of pixel data signals for one of the channels. The filter applied to at least one of the sets of pixel data signals is different from the filter applied to another one of the sets of pixel data signals.